

Title (en)
POWER SUPPLY SWITCHING DEVICE AND SWITCH BOARD

Title (de)
STROMVERSORGUNGSSCHALTUNG UND PLATINE

Title (fr)
DISPOSITIF DE COMMUTATION D'ALIMENTATION ÉLECTRIQUE ET TABLEAU DE COMMUTATION

Publication
EP 2808971 A1 20141203 (EN)

Application
EP 13740689 A 20130125

Priority
• JP 2012015680 A 20120127
• JP 2012166274 A 20120726
• JP 2013051595 W 20130125

Abstract (en)
It is checked whether or not a primary-side voltage (V1) of a remote shutoff breaker (32) and a secondary-side voltage (V2) thereof become a rated voltage after a commercial power system is recovered from a blackout. Next, when both primary-side voltage (V1) and secondary-side voltage (V2) become the rated voltage, a contactor (33) is actuated to interconnect a home power system with the commercial power system. Hence, charging of the home power system without causing a user to notice such a charging upon recovery of the commercial power system from a blackout can be prevented. As a result, the safety for the user can be ensured.

IPC 8 full level
H02J 3/38 (2006.01); **H02J 9/06** (2006.01)

CPC (source: EP KR US)
H02H 3/066 (2013.01 - EP KR US); **H02J 3/381** (2013.01 - KR); **H02J 7/0063** (2013.01 - KR); **H02J 9/061** (2013.01 - KR US); **H02J 9/062** (2013.01 - EP KR US); **H02J 3/381** (2013.01 - EP US); **H02J 2300/24** (2020.01 - EP KR US); **Y02B 10/10** (2013.01 - EP KR US); **Y02B 10/70** (2013.01 - EP KR US); **Y02E 10/56** (2013.01 - EP KR US)

Cited by
WO2016109675A1; TWI669877B

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2808971 A1 20141203; **EP 2808971 A4 20160420**; **EP 2808971 B1 20210224**; CN 104067475 A 20140924; CN 104067475 B 20170926; JP 2013176278 A 20130905; JP 5497115 B2 20140521; KR 101741386 B1 20170529; KR 20140108704 A 20140912; KR 20160116350 A 20161007; US 2014339900 A1 20141120; US 9825488 B2 20171121; WO 2013111858 A1 20130801

DOCDB simple family (application)
EP 13740689 A 20130125; CN 201380006632 A 20130125; JP 2012166274 A 20120726; JP 2013051595 W 20130125; KR 20147020809 A 20130125; KR 20167025979 A 20130125; US 201314370662 A 20130125